





City of Loma Linda Official Report

Floyd Petersen, Mayor
Stan Brauer, Mayor pro tempore
Robert Christman, Councilmember
Robert Ziprick, Councilmember
Charles Umeda, Councilmember

COUNCIL AGENDA: June 27, 2006

TO: City Council

VIA: Dennis R. Halloway, City Manager 

FROM: T. Jarb Thaipejr, Public Works Director/City Engineer 

SUBJECT: Award Contract for Waterline Installation on Stewart Street and Prospect Avenue (CIP 06-618)

RECOMMENDATION

It is recommended that the City Council award the contract for the waterline installation on Stewart Street and Prospect Avenue to TK Construction of Rimforest for \$289,108.49 and authorize a contingency allocation of \$29,000. It is further recommended that the City Council award the contract for construction inspection and materials testing to Cal West Consultants in the amount not to exceed \$25,255.

BACKGROUND

The waterline located between university buildings in an easement south of Stewart Street has deteriorated over time and is scheduled for replacement. We will be relocating this line to Stewart Street. The University is also upgrading their utilities in this area to accommodate the construction of the Centennial Complex. We are coordinating our pipeline projects to minimize inconvenience and maximize economy.

ANALYSIS

Four bids were received and publicly opened on June 20, 2006. Bids ranged from a low of \$289,108.49 to a high of \$519,591.44 (see attached). The low bidder, TK Construction, has satisfactorily completed previous projects for the City. It is not unusual for a construction project to experience the need to add or reduce the quantities of work items or the scope of work as field conditions dictate. This is generally caused by unforeseen circumstances or work needed to maintain the integrity of the project. Staff recommends an allocation of $\pm 10\%$ of the construction amount, \$29,000, for such circumstances.

FINANCIAL IMPACT

Funding for this project will be provided from Account 65-7010-8500, Waterline Replacement – Prospect Avenue, \$200,000, Account 38-7200-8500, Waterline Replacement – Stewart Street, \$130,000 and the University will pay their share \$80,012.16(schedule #2).

City of Loma Linda

Waterline Installation - Stewart Street

Bid Schedule #1 (City)

ITEM	DESCRIPTION	UNIT	QUANTITY	Engineer's Estimate		TK Construction		David T. Wasden, Inc.	
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	Mobilization & Traffic Control	L.S.	1	\$5,000.00	\$5,000.00	\$9,646.00	\$9,646.00	\$15,000.00	\$15,000.00
2	12" Ductile Iron Pipe	L.F.	841	\$65.00	\$54,665.00	\$70.46	\$59,256.86	\$65.00	\$54,665.00
3	8" Flanged Gate Valve	EA.	3	\$1,200.00	\$3,600.00	\$1,051.76	\$3,155.28	\$1,600.00	\$4,800.00
4	12" Flanged Gate Valve	EA.	1	\$2,000.00	\$2,000.00	\$1,910.00	\$1,910.00	\$2,000.00	\$2,000.00
5	Connect to existing	EA.	2	\$3,000.00	\$6,000.00	\$3,992.50	\$7,985.00	\$6,000.00	\$12,000.00
6	12" X 8" Reducer	EA.	1	\$500.00	\$500.00	\$670.00	\$670.00	\$1,500.00	\$1,500.00
7	Fire Hydrant	EA.	1	\$3,500.00	\$3,500.00	\$3,590.00	\$3,590.00	\$4,000.00	\$4,000.00
8	Field Test	L.S.	1	\$3,000.00	\$3,000.00	\$800.00	\$800.00	\$5,000.00	\$5,000.00
9	Disinfect Pipeline	L.S.	1	\$3,000.00	\$3,000.00	\$1,500.00	\$1,500.00	\$3,000.00	\$3,000.00
10	2" PVC Conduit W/Detector	L.F.	841	\$12.00	\$10,092.00	\$13.99	\$11,765.59	\$40.00	\$33,640.00
TOTAL					\$91,357.00		\$100,278.73		\$135,605.00

Waterline Installation - Stewart Street

Bid Schedule #2 (University)

ITEM	DESCRIPTION	UNIT	QUANTITY	Engineer's Estimate		TK Construction		David T. Wasden, Inc.	
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	Mobilization & Traffic Control	L.S.	1	\$5,000.00	\$5,000.00	\$9,230.00	\$9,230.00	\$20,000.00	\$20,000.00
2	12" Ductile Iron Pipe	L.F.	760	\$65.00	\$49,400.00	\$71.92	\$54,659.20	\$65.00	\$49,400.00
3	12" Flanged Gate Valve	EA.	3	\$2,000.00	\$6,000.00	\$1,939.66	\$5,818.98	\$2,000.00	\$6,000.00
4	Fire Hydrant	EA.	1	\$3,500.00	\$3,500.00	\$3,584.00	\$3,584.00	\$4,000.00	\$4,000.00
5	Connect to existing	EA.	1	\$3,000.00	\$3,000.00	\$3,716.00	\$3,716.00	\$6,000.00	\$6,000.00
6	12" Blind Flange	EA.	3	\$1,000.00	\$3,000.00	\$234.66	\$703.98	\$1,500.00	\$4,500.00
7	Field Test	L.S.	1	\$3,000.00	\$3,000.00	\$800.00	\$800.00	\$3,000.00	\$3,000.00
8	Disinfect Pipeline	L.S.	1	\$3,000.00	\$3,000.00	\$1,500.00	\$1,500.00	\$3,000.00	\$3,000.00
TOTAL					\$75,900.00		\$80,012.16		\$95,900.00

City of Loma Linda

Waterline Installation - Prospect Avenue

Bid Schedule #3

ITEM	DESCRIPTION	UNIT	QUANTITY	Engineer's Estimate		TK Construction		David T. Wasden, Inc.	
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	Mobilization & Traffic Control	L.S.	1	\$5,000.00	\$5,000.00	\$12,287.00	\$12,287.00	\$20,000.00	\$20,000.00
2	12" Ductile Iron Pipe	L.F.	920	\$65.00	\$59,800.00	\$69.63	\$64,059.60	\$65.00	\$59,800.00
3	Fire Hydrant	EA.	1	\$4,000.00	\$4,000.00	\$3,584.00	\$3,584.00	\$4,500.00	\$4,500.00
4	1" Service	EA.	19	\$1,300.00	\$24,700.00	\$1,020.00	\$19,380.00	\$1,800.00	\$34,200.00
5	Connect to existing	EA.	1	\$2,000.00	\$2,000.00	\$4,708.00	\$4,708.00	\$6,000.00	\$6,000.00
6	Field Test	L.S.	1	\$3,000.00	\$3,000.00	\$2,300.00	\$2,300.00	\$3,000.00	\$3,000.00
7	Abandon existing pipeline	L.S.	1	\$4,000.00	\$4,000.00	\$2,499.00	\$2,499.00	\$3,000.00	\$3,000.00
TOTAL					\$102,500.00		\$108,817.60		\$130,500.00

Bid Schedule #1	\$91,357.00	\$100,278.73	\$135,605.00
Bid Schedule #2	\$75,900.00	\$80,012.16	\$95,900.00
Bid Schedule #3	\$102,500.00	\$108,817.60	\$130,500.00
Grand Total	\$269,757.00	\$289,108.49	\$362,005.00

City of Loma Linda

Waterline Installation - Stewart Street

Bid Schedule #1 (City)

ITEM	DESCRIPTION	UNIT	QUANTITY	MCC Equipment Rentals		VCI Telecom Inc.	
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	Mobilization & Traffic Control	L.S.	1	\$7,000.00	\$7,000.00	\$5,000.00	\$5,000.00
2	12" Ductile Iron Pipe	L.F.	841	\$90.00	\$75,690.00	\$123.64	\$103,981.24
3	8" Flanged Gate Valve	EA.	3	\$1,800.00	\$5,400.00	\$1,500.00	\$4,500.00
4	12" Flanged Gate Valve	EA.	1	\$2,500.00	\$2,500.00	\$2,000.00	\$2,000.00
5	Connect to existing	EA.	2	\$5,500.00	\$11,000.00	\$7,500.00	\$15,000.00
6	12" X 8" Reducer	EA.	1	\$1,500.00	\$1,500.00	\$350.00	\$350.00
7	Fire Hydrant	EA.	1	\$4,620.00	\$4,620.00	\$5,500.00	\$5,500.00
8	Field Test	L.S.	1	\$2,100.00	\$2,100.00	\$2,500.00	\$2,500.00
9	Disinfect Pipeline	L.S.	1	\$3,300.00	\$3,300.00	\$2,500.00	\$2,500.00
10	2" PVC Conduit W/Dectector	L.F.	841	\$45.00	\$37,845.00	\$9.00	\$7,569.00
TOTAL				\$150,955.00		\$148,900.24	

Waterline Installation - Stewart Street

Bid Schedule #2 (University)

ITEM	DESCRIPTION	UNIT	QUANTITY	MCC Equipment Rentals		VCI Telecom Inc.	
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	Mobilization & Traffic Control	L.S.	1	\$7,000.00	\$7,000.00	\$5,000.00	\$5,000.00
2	12" Ductile Iron Pipe	L.F.	760	\$90.00	\$68,400.00	\$163.20	\$124,032.00
3	12" Flanged Gate Valve	EA.	3	\$2,500.00	\$7,500.00	\$2,000.00	\$6,000.00
4	Fire Hydrant	EA.	1	\$4,620.00	\$4,620.00	\$5,500.00	\$5,500.00
5	Connect to existing	EA.	1	\$5,000.00	\$5,000.00	\$7,500.00	\$7,500.00
6	12" Blind Flange	EA.	3	\$1,000.00	\$3,000.00	\$350.00	\$1,050.00
7	Field Test	L.S.	1	\$2,100.00	\$2,100.00	\$2,500.00	\$2,500.00
8	Disinfect Pipeline	L.S.	1	\$1,000.00	\$1,000.00	\$2,500.00	\$2,500.00
TOTAL				\$98,620.00		\$154,082.00	

City of Loma Linda

Waterline Installation - Prospect Avenue

Bid Schedule #3

ITEM	DESCRIPTION	UNIT	QUANTITY	MCC Equipment Rentals		VCI Telecom Inc.	
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	Mobilization & Traffic Control	L.S.	1	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
2	12" Ductile Iron Pipe	L.F.	920	\$90.00	\$82,800.00	\$167.51	\$154,109.20
3	Fire Hydrant	EA.	1	\$4,500.00	\$4,500.00	\$7,000.00	\$7,000.00
4	1" Service	EA.	19	\$1,300.00	\$24,700.00	\$2,000.00	\$38,000.00
5	Connect to existing	EA.	1	\$3,650.00	\$3,650.00	\$7,500.00	\$7,500.00
6	Field Test	L.S.	1	\$1,500.00	\$1,500.00	\$2,500.00	\$2,500.00
7	Abandon existing pipeline	L.S.	1	\$2,000.00	\$2,000.00	\$2,500.00	\$2,500.00
TOTAL					\$124,150.00		\$216,609.20

Bid Schedule #1	\$150,955.00	\$148,900.24
Bid Schedule #2	\$98,620.00	\$154,082.00
Bid Schedule #3	<u>\$124,150.00</u>	<u>\$216,609.20</u>
Grand Total	\$373,725.00	\$519,591.44